

## CLAIMS

1. An engine piston having a crown comprising:  
an outer crown surface adapted for exposure to engine  
combustion temperatures;  
an undercrown adapted for exposure to crankcase fluids;  
5 a plurality of cooling pins extending from the undercrown for  
contact with crankcase fluids to assist in cooling the piston crown.
2. A piston as in claim 1 wherein the pins are conical.
3. A piston as in claim 1 wherein the pins are preformed and cast  
into the piston.
4. A piston as in claim 1 wherein the pins are cast with the  
piston.
5. A piston as in claim 1 wherein the pins have a length of about  
2-5 mm and diameter of about 1-2 mm.
6. A piston as in claim 1 wherein the piston is formed of steel.
7. A piston as in claim 1 wherein the piston is formed of  
aluminum alloy.
8. A piston as in claim 1 wherein the piston is formed of  
ceramic.
9. A piston as in claim 1 wherein the piston is formed of titanium  
alloy.

10. A piston as in claim 1 wherein the piston includes a ring belt with grooves for receiving piston rings.

11. A piston as in claim 10 wherein cooling pins also extend from the ring belt.

12. A piston as in claim 1 wherein the piston includes a skirt for absorbing thrust forces on the pistons.

13. A piston as in claim 1 wherein the piston includes a pin boss for receiving a wrist pin.

14. A piston as in claim 13 wherein cooling pins also extend from the pin boss.